

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/518,174 A

Source: IFWP

Date Processed by STIC: 08/8/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/518, 174A

CRF Edit Date: 08/08/2006
Edited by: DA

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other: Corrected ⁴⁴⁰⁰⁷ numeric field identifier



IFWP

RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/518,174A

TIME: 13:53:28

Input Set : N:\DA\10518174.raw.txt

Output Set: N:\CRF4\08082006\J518174A.raw

3 <110> APPLICANT: Aston University
 5 <120> TITLE OF INVENTION: Methods of Producing DNA and Protein Libraries
 7 <130> FILE REFERENCE: W071488PPC
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/518,174A
 C--> 10 <141> CURRENT FILING DATE: 2004-12-13
 12 <150> PRIOR APPLICATION NUMBER: GB0213816.2
 13 <151> PRIOR FILING DATE: 2002-06-14
 15 <160> NUMBER OF SEQ ID NOS: 13
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 52
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: consensus zinc finger gene fragment
 27 <220> FEATURE:
 28 <221> NAME/KEY: misc_feature
 29 <222> LOCATION: (16)..(18)
 30 <223> OTHER INFORMATION: n=any nucleotide
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: (25)..(27)
 36 <223> OTHER INFORMATION: n=any nucleotide
 39 <220> FEATURE:
 40 <221> NAME/KEY: misc_feature
 41 <222> LOCATION: (34)..(36)
 42 <223> OTHER INFORMATION: n=any nucleotide
 45 <400> SEQUENCE: 1
 W--> 46 ctgacttcga aatcannntc gctgnnnaat gttnnngtag tcgcatgctg ca 52
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 15
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: PCR primer
 57 <400> SEQUENCE: 2
 58 gactgaagct ttagt 15
 61 <210> SEQ ID NO: 3
 62 <211> LENGTH: 16
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial Sequence
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: PCR primer

CP9-5)

RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/518,174A

TIME: 13:53:28

Input Set : N:\DA\10518174.raw.txt

Output Set: N:\CRF4\08082006\J518174A.raw

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69 <400> SEQUENCE: 3
70 gtcgctgggtc tactac 16
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 18
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: partial complementary sequence to SEQ ID 1
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (16)..(18)
84 <223> OTHER INFORMATION: nnn represents MAX codon (optimum codon usage
85 for each amino acid in E. coli)
88 <400> SEQUENCE: 4
W--> 89 gactgaagct ttagtnnn 18
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 32
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: complementary sequence to SEQ ID 3 and SEQ ID 6
99 (partially)
101 <400> SEQUENCE: 5
102 catcagcgta cgacgtcagc gaccagatga tg 32
105 <210> SEQ ID NO: 6
106 <211> LENGTH: 42
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: consensus zinc finger gene fragment
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (6)..(8)
116 <223> OTHER INFORMATION: n=any nucleotide
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (15)..(17)
122 <223> OTHER INFORMATION: n=any nucleotide
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (24)..(26)
128 <223> OTHER INFORMATION: n=any nucleotide
131 <400> SEQUENCE: 6
W--> 132 aatcannntc gctgnnnaat gttnnngtag tcgcatgctg ca 42
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 15
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/518,174A

TIME: 13:53:28

Input Set : N:\DA\10518174.raw.txt

Output Set: N:\CRF4\08082006\J518174A.raw

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141 <223> OTHER INFORMATION: PCR primer
143 <400> SEQUENCE: 7
144 atgaccatga ttacg 15
147 <210> SEQ ID NO: 8
148 <211> LENGTH: 30
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: complementary sequence to SEQ ID 7 and SEQ ID 1
154 (partially)
156 <400> SEQUENCE: 8
157 atgaccatga ttacgctatg ccatgactga 30
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 12
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: partial complementary sequence to SEQ ID 1
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (10)..(12)
171 <223> OTHER INFORMATION: nnn represents MAX codon (optimum codon usage for
172 each amino acid in E. coli)
175 <400> SEQUENCE: 9
W--> 176 agcttttagtn nn 12
179 <210> SEQ ID NO: 10
180 <211> LENGTH: 15
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: PCR primer
187 <400> SEQUENCE: 10
188 acttgagact gaagc 15
191 <210> SEQ ID NO: 11
192 <211> LENGTH: 15
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: PCR primer
199 <400> SEQUENCE: 11
200 gcatgctaga ctgcc 15
203 <210> SEQ ID NO: 12
204 <211> LENGTH: 21
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: complementary sequence to SEQ ID 11 and SEQ ID 13
210 (partially)
212 <400> SEQUENCE: 12

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/518,174A

TIME: 13:53:28

Input Set : N:\DA\10518174.raw.txt

Output Set: N:\CRF4\08082006\J518174A.raw

213 catcagcgta cgatctgacg c 21
216 <210> SEQ. ID NO: 13
217 <211> LENGTH: 39
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: consensus zinc finger gene fragment
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <222> LOCATION: (13)..(15)
227 <223> OTHER INFORMATION: n=any nucleotide
230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <222> LOCATION: (22)..(24)
233 <223> OTHER INFORMATION: n=any nucleotide
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (31)..(33)
239 <223> OTHER INFORMATION: n=any nucleotide
242 <400> SEQUENCE: 13
W--> 243 acttcgaaat canntcgct gnnnaatgtt nnnntagtc 39

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/08/2006
PATENT APPLICATION: US/10/518,174A TIME: 13:53:29

Input Set : N:\DA\10518174.raw.txt
Output Set: N:\CRF4\08082006\J518174A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 16,17,18,25,26,27,34,35,36
Seq#:4; N Pos. 16,17,18
Seq#:6; N Pos. 6,7,8,15,16,17,24,25,26
Seq#:9; N Pos. 10,11,12
Seq#:13; N Pos. 13,14,15,22,23,24,31,32,33

VERIFICATION SUMMARY

DATE: 08/08/2006

PATENT APPLICATION: US/10/518,174A

TIME: 13:53:29

Input Set : N:\DA\10518174.raw.txt

Output Set: N:\CRF4\08082006\J518174A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

DATE: 08/03/2006

PATENT APPLICATION: US/10/518,174A

TIME: 09:19:00

Input Set : F:\P713888US_PCT_amended_seqs.txt

Output Set: N:\CRF4\08032006\J518174A.raw

3 <110> APPLICANT: Aston University
 5 <120> TITLE OF INVENTION: Methods of Producing DNA and Protein Libraries
 7 <130> FILE REFERENCE: W071488PPC
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/518,174A
 C--> 10 <141> CURRENT FILING DATE: 2004-12-13
 12 <150> PRIOR APPLICATION NUMBER: GB0213816.2
 13 <151> PRIOR FILING DATE: 2002-06-14
 15 <160> NUMBER OF SEQ ID NOS: 13
 17 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
 Corrected Diskette Needed
 (pg-1)

ERRORED SEQUENCES

92 <210> SEQ ID NO: 5
 93 <211> LENGTH: 32
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: complementary sequence to SEQ ID 3 and SEQ ID 6
 99 (partially) *S*
 E--> 101 <400> SEQUENCE: *S*
 102 catcagcgta cgacgtcagc gaccagatga tg

32

VERIFICATION SUMMARY

DATE: 08/03/2006

PATENT APPLICATION: US/10/518,174A

TIME: 09:19:01

Input Set : F:\P713888US_PCT_amended_seqs.txt

Output Set: N:\CRF4\08032006\J518174A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:101 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:5 differs:4
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0